

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

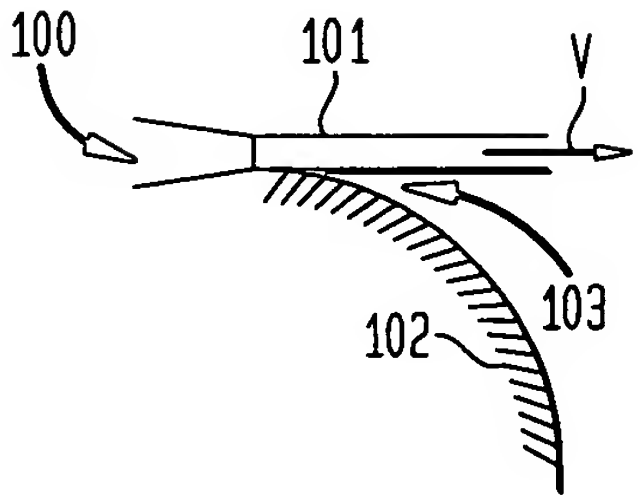
- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

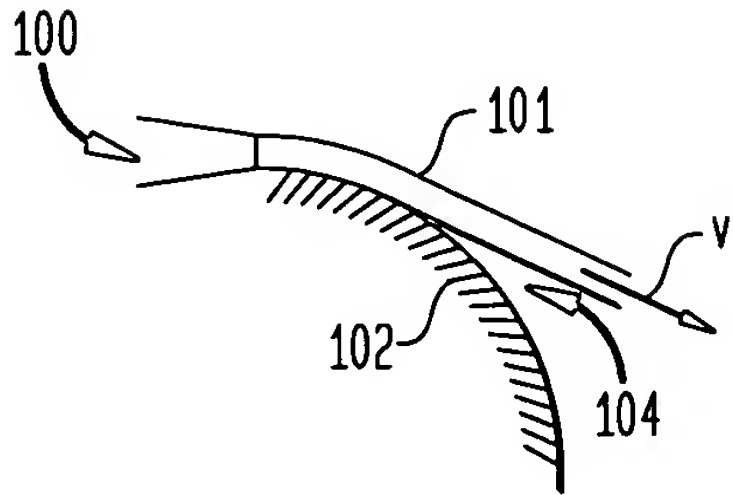
**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



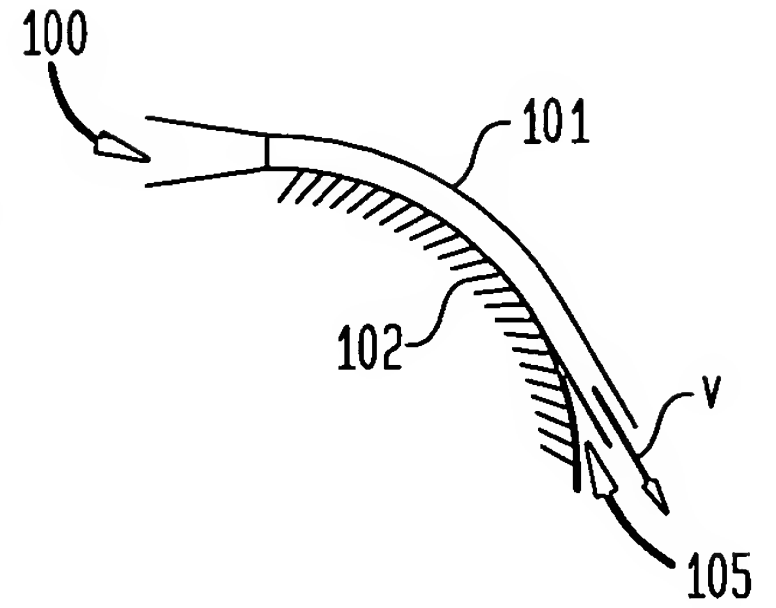
**FIG. 1A**  
(PRIOR ART)



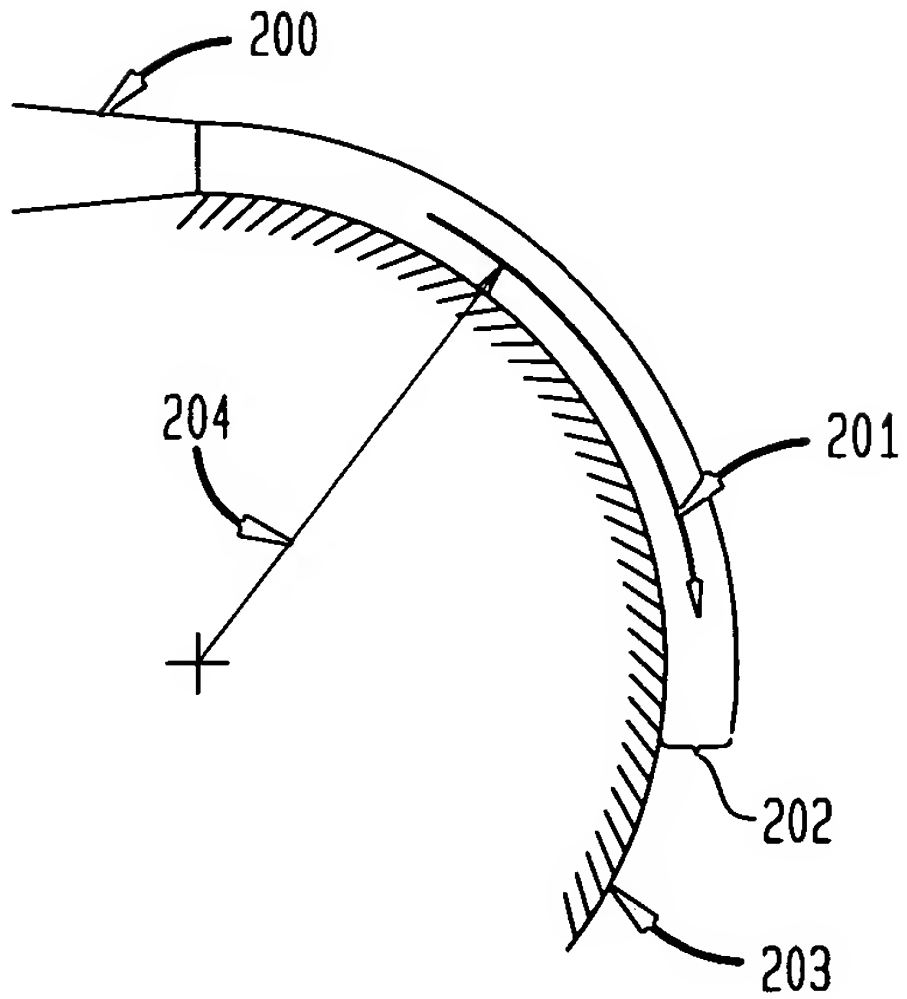
**FIG. 1B**  
(PRIOR ART)



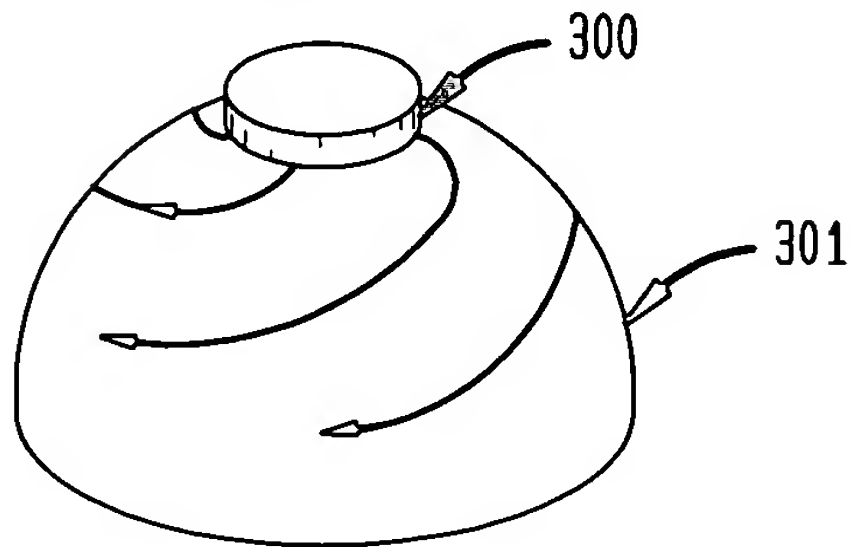
**FIG. 1C**  
(PRIOR ART)



**FIG. 2**  
(PRIOR ART)



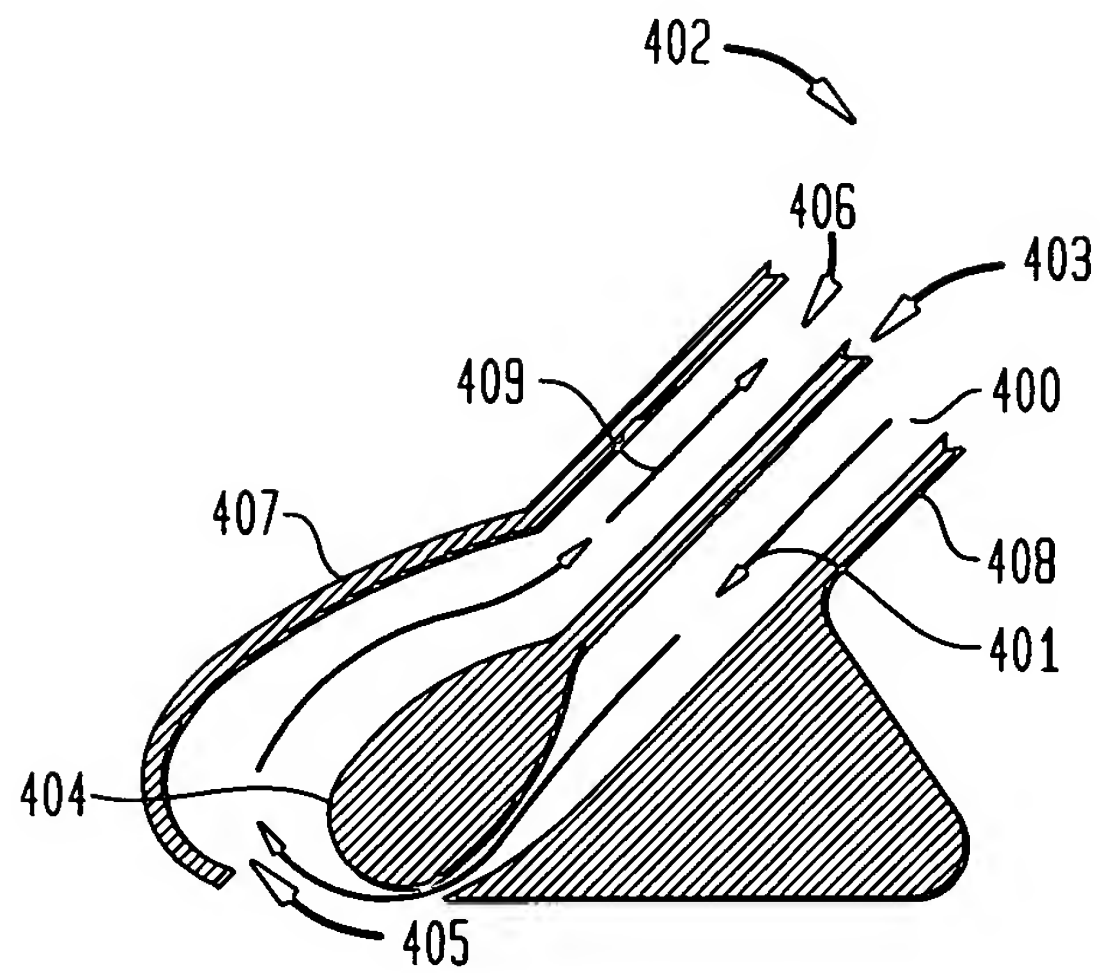
**FIG. 3**  
(PRIOR ART)



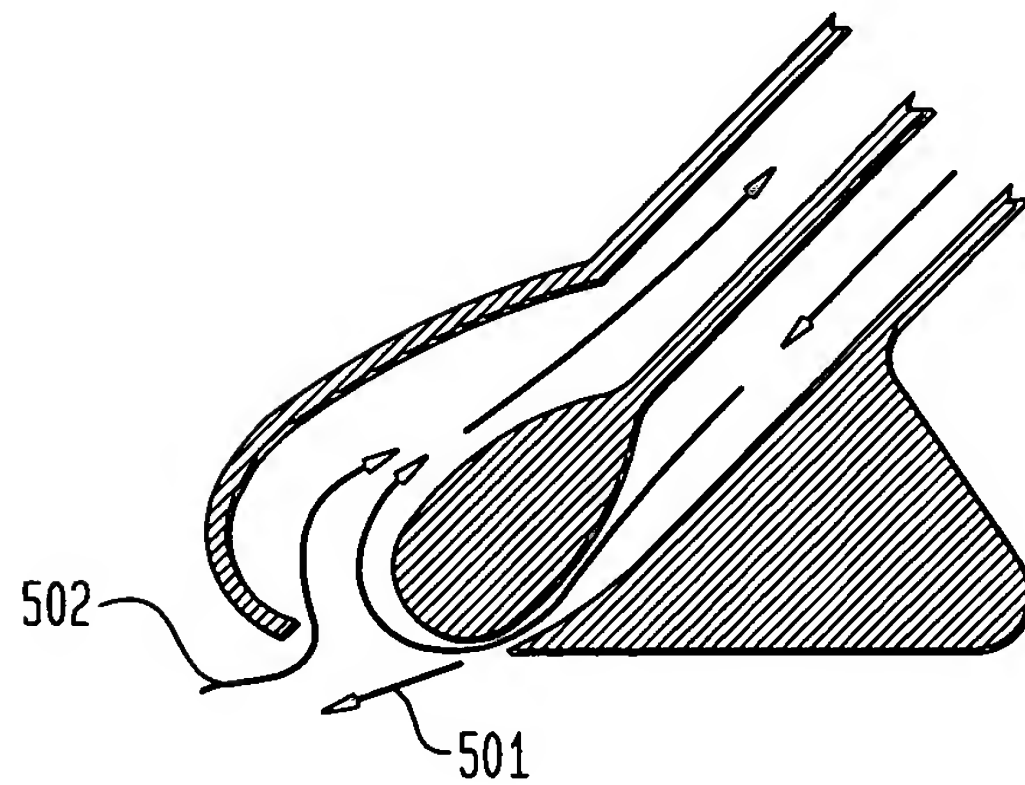


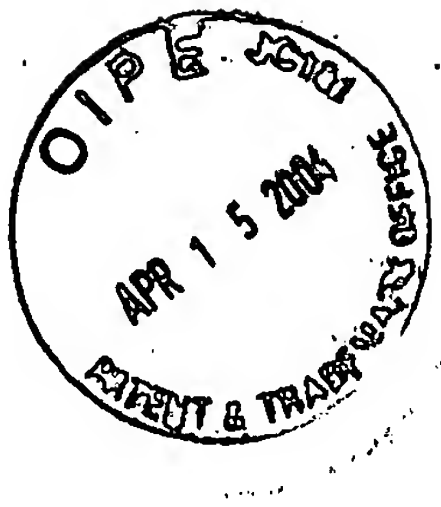
2/15

**FIG. 4**  
(PRIOR ART)

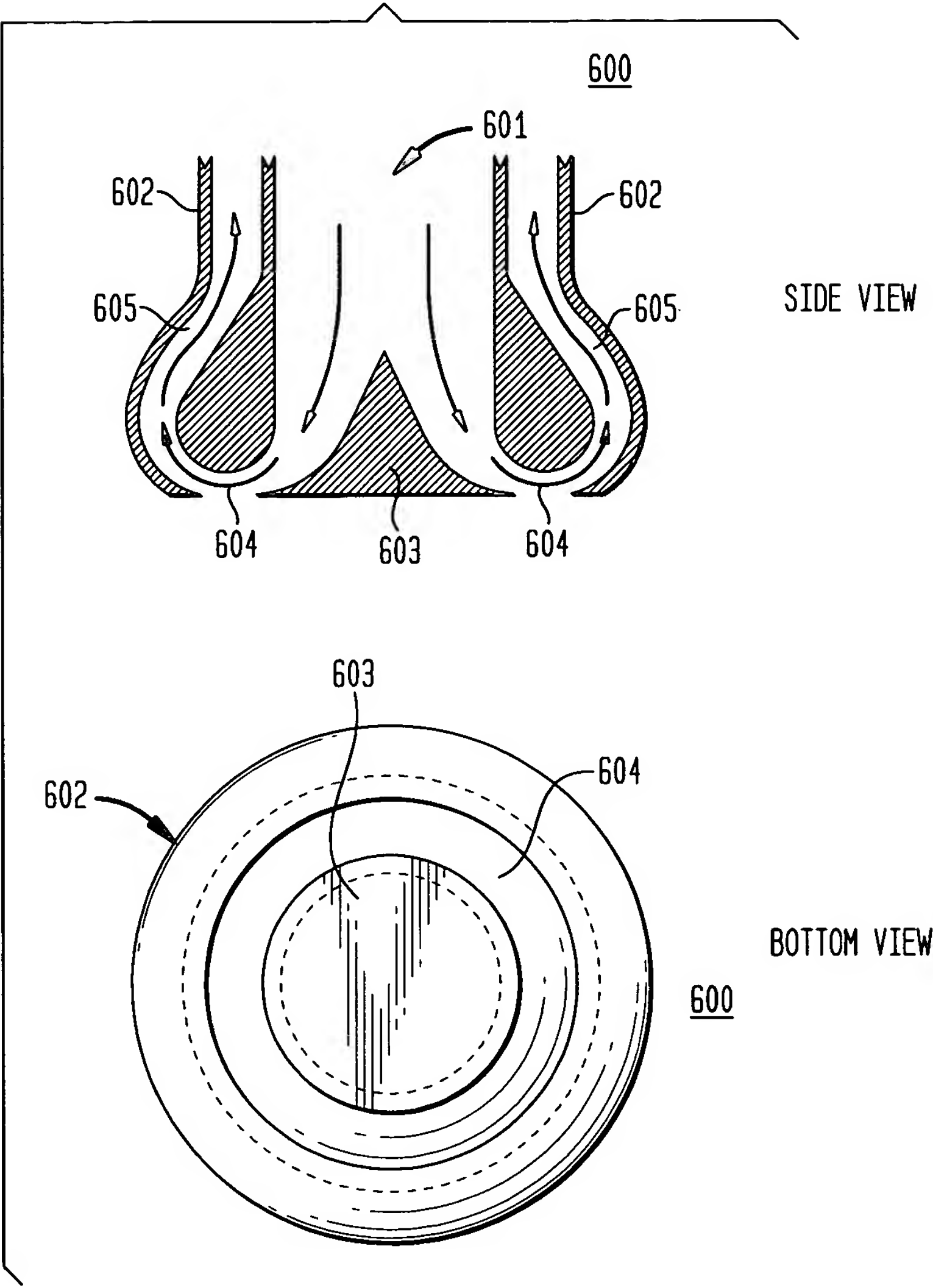


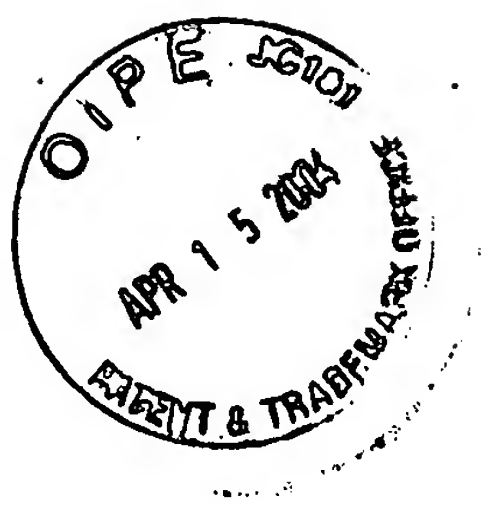
**FIG. 5**  
(PRIOR ART)





**FIG. 6**  
(PRIOR ART)





4/15

FIG. 7

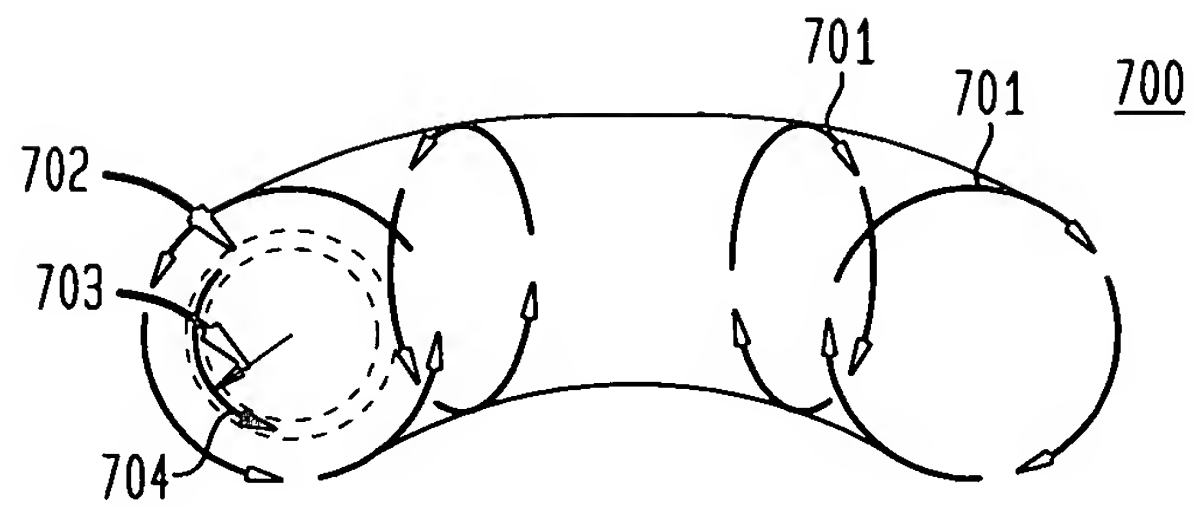
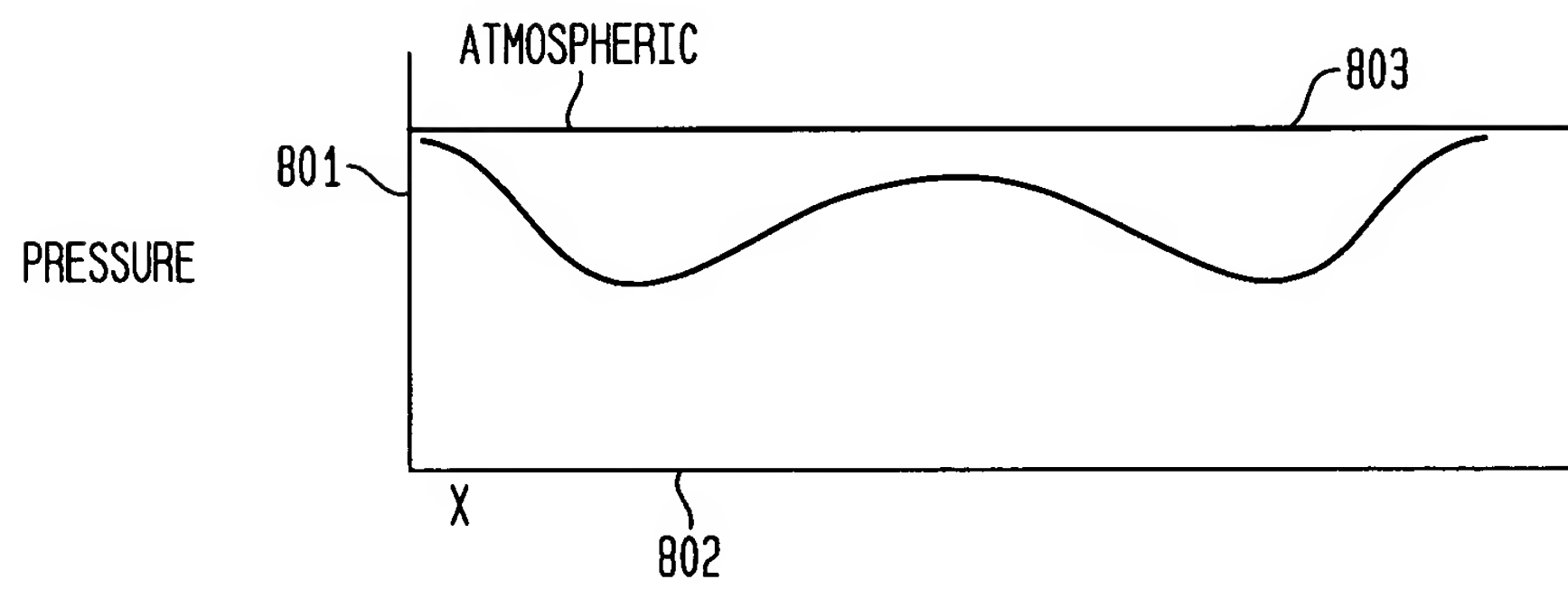


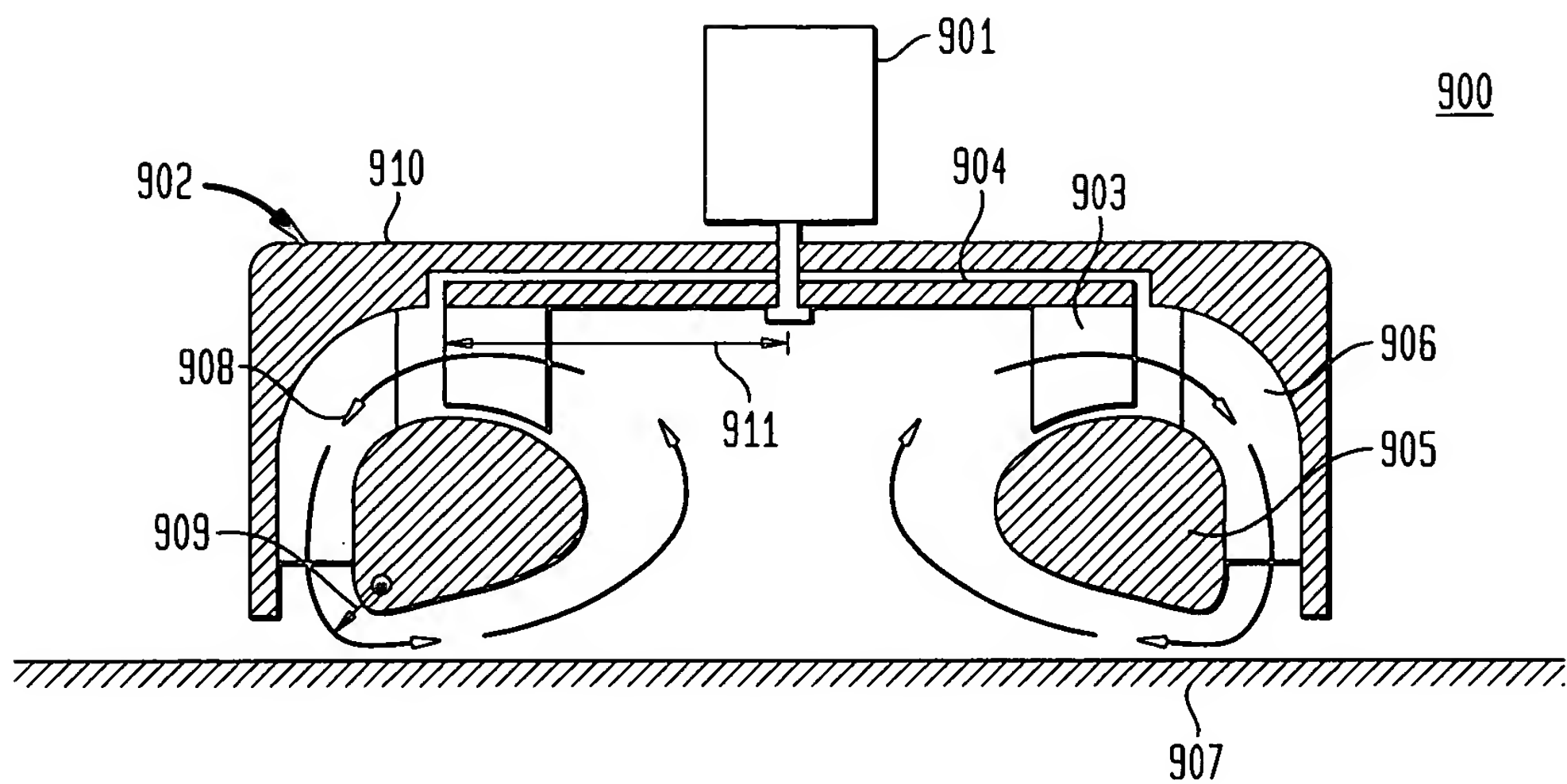
FIG. 8



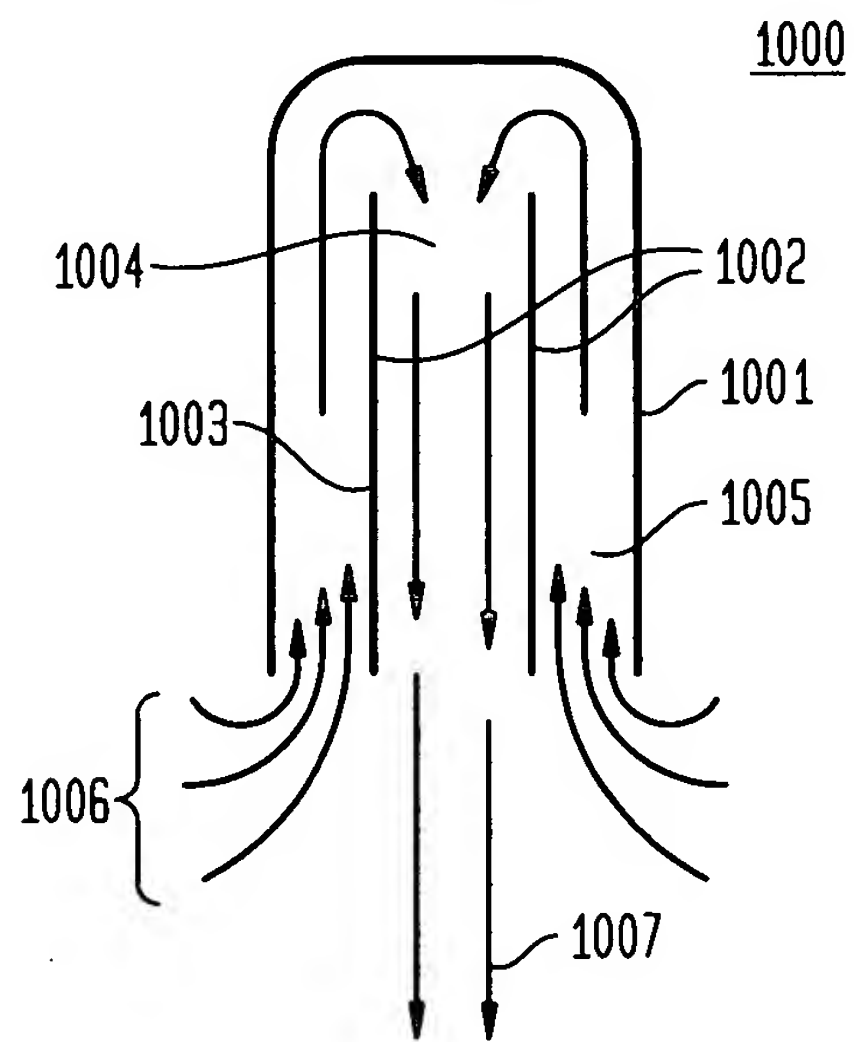


5/15

**FIG. 9**

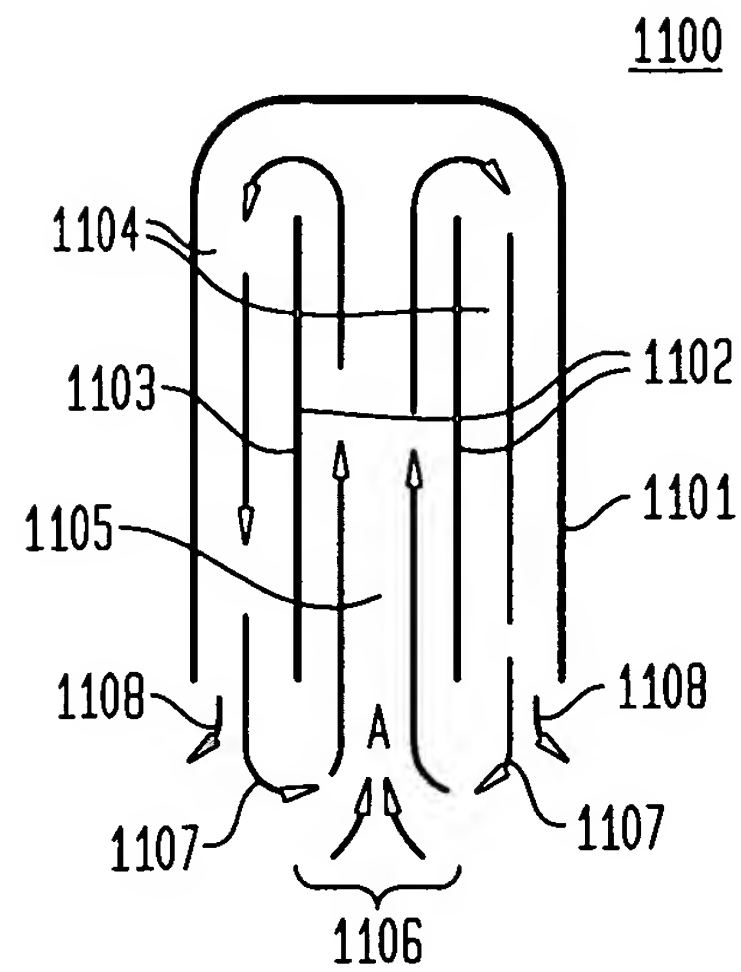


**FIG. 10**  
(PRIOR ART)

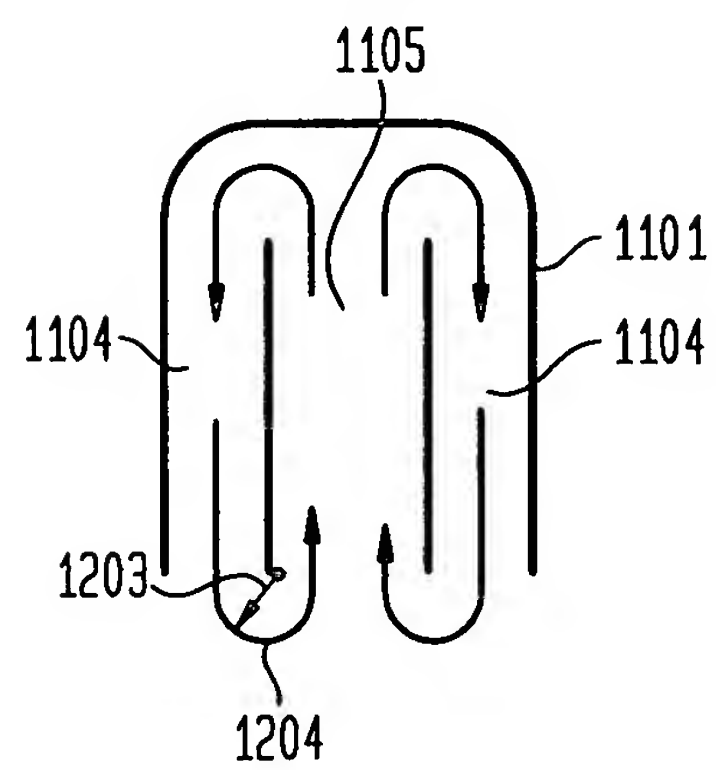




**FIG. 11**  
(PRIOR ART)



**FIG. 12**  
(PRIOR ART)





7/15

FIG. 13

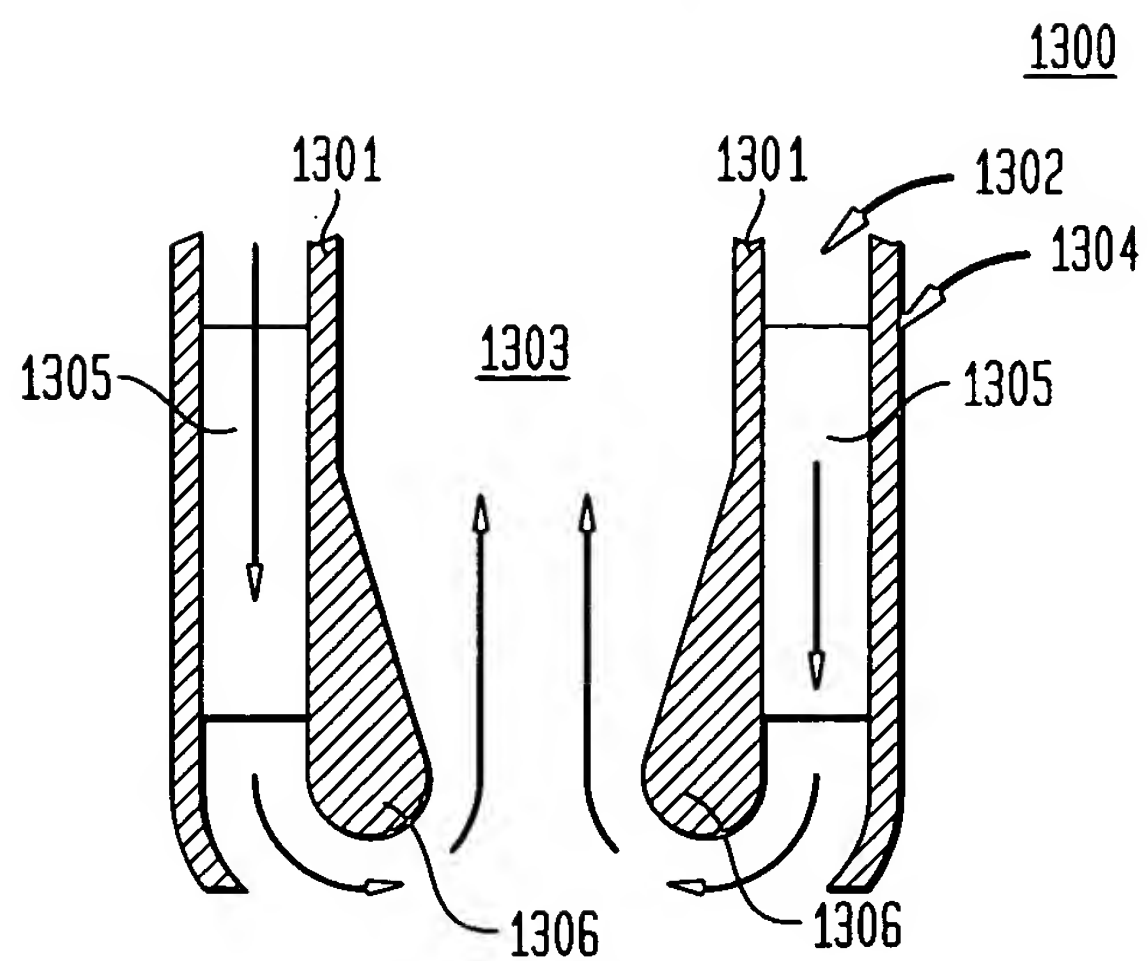
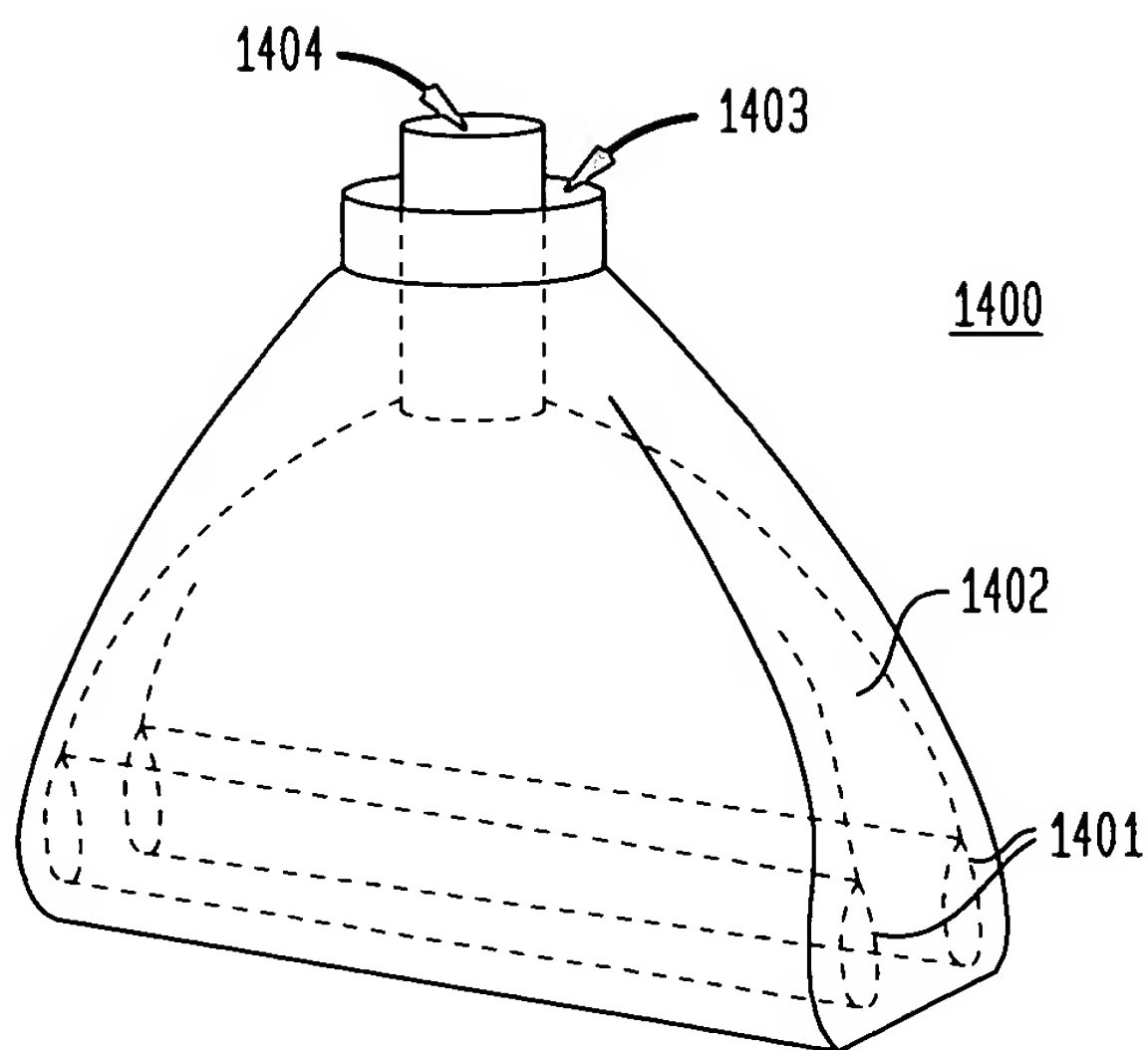
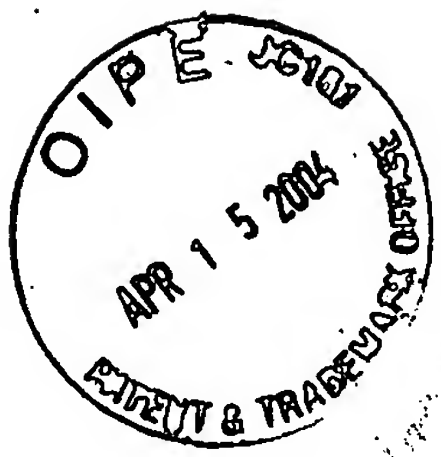


FIG. 14

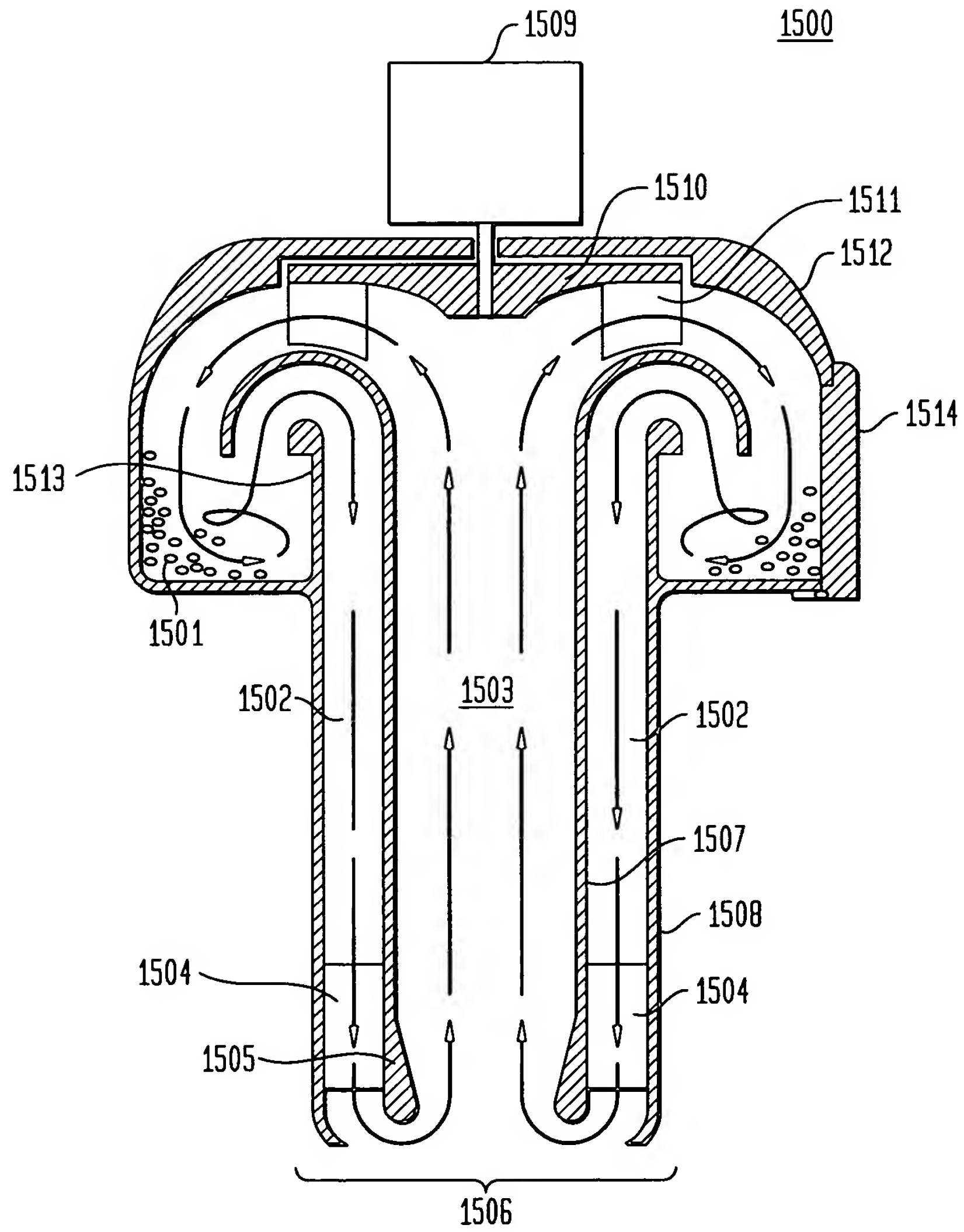


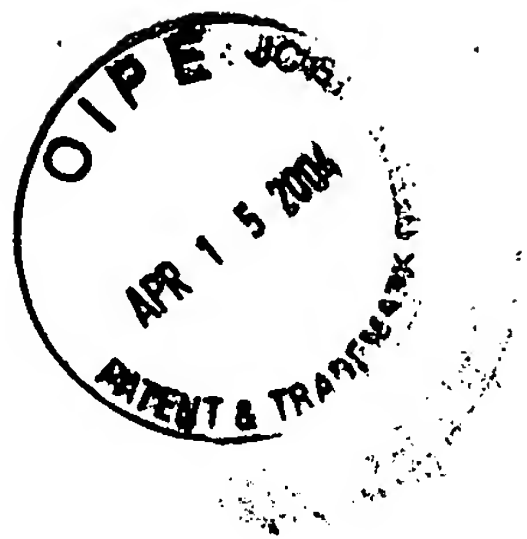




8/15

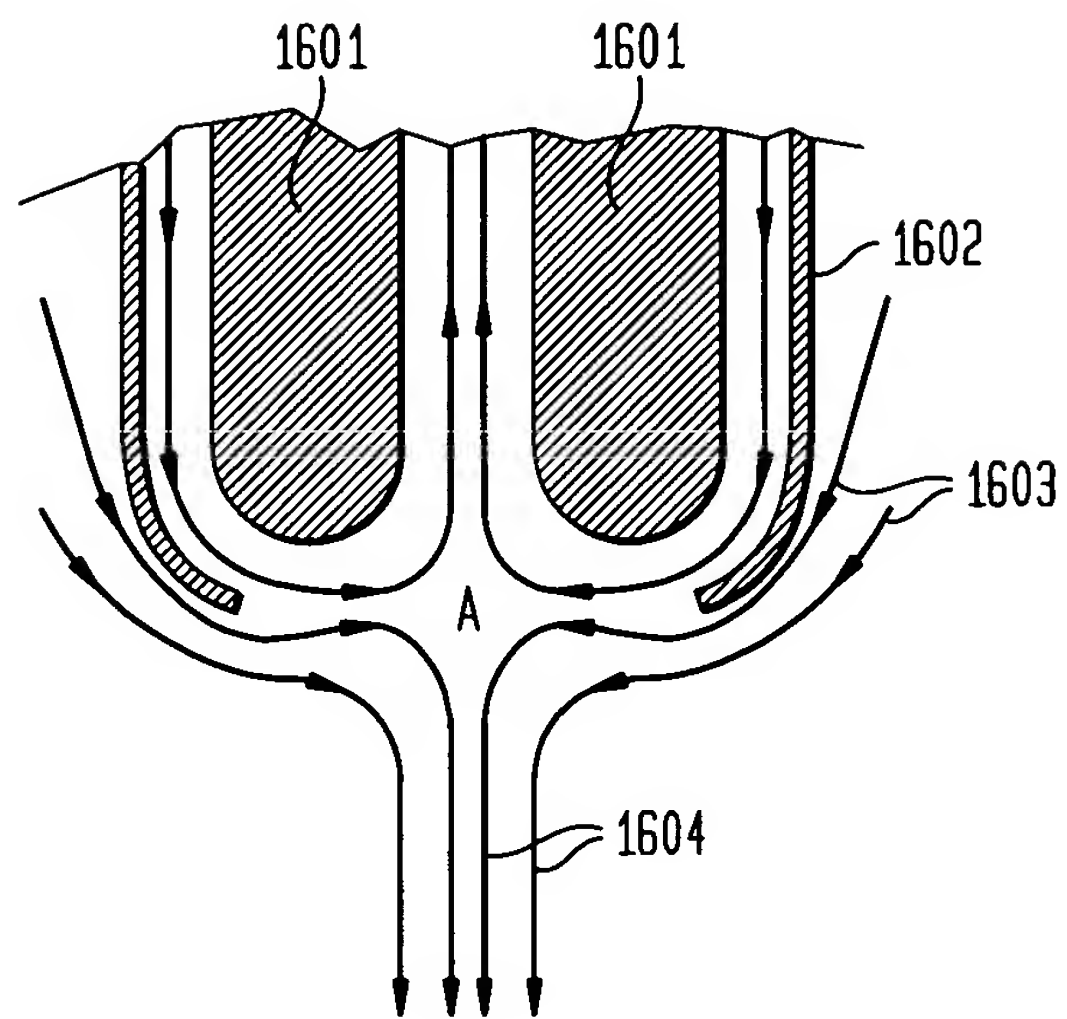
FIG. 15





9/15

FIG. 16





10/15

FIG. 17A

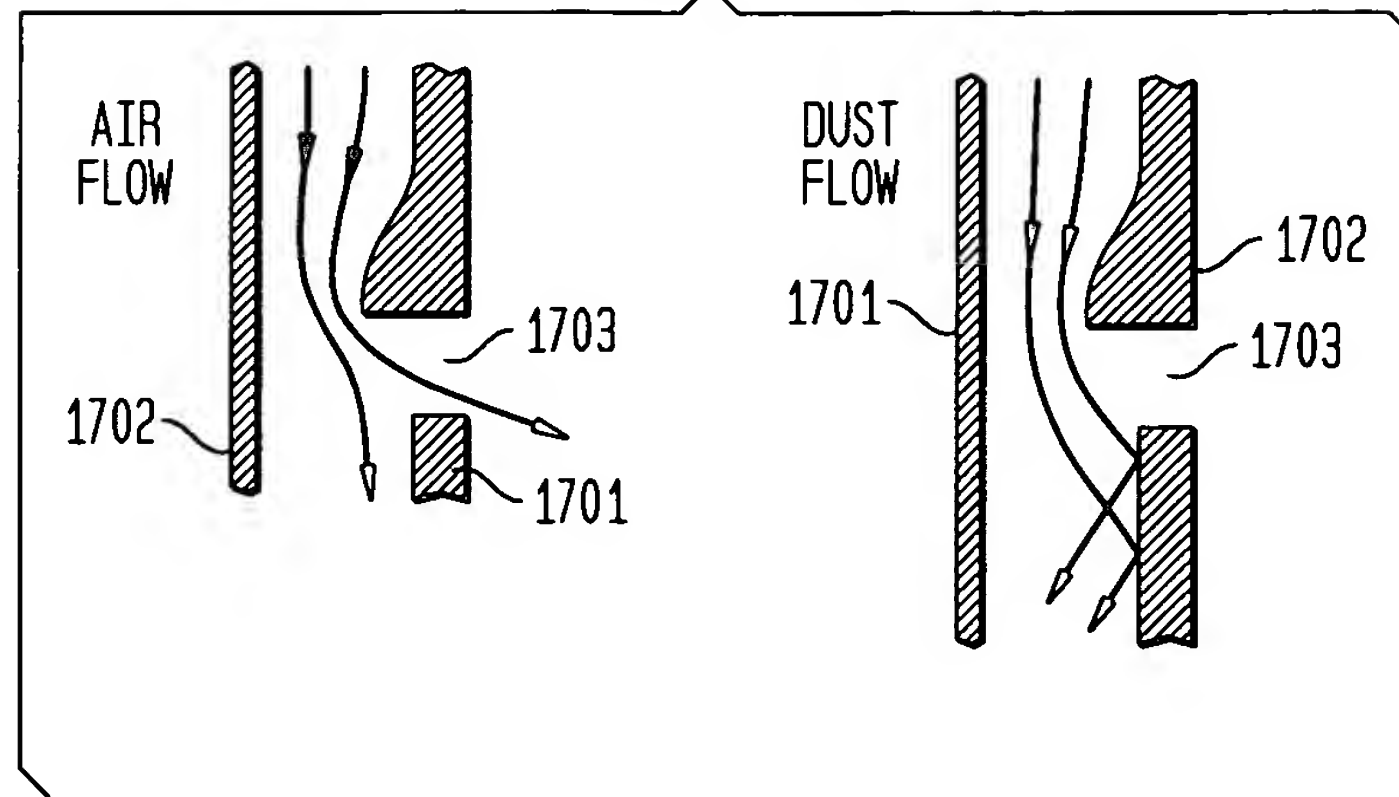
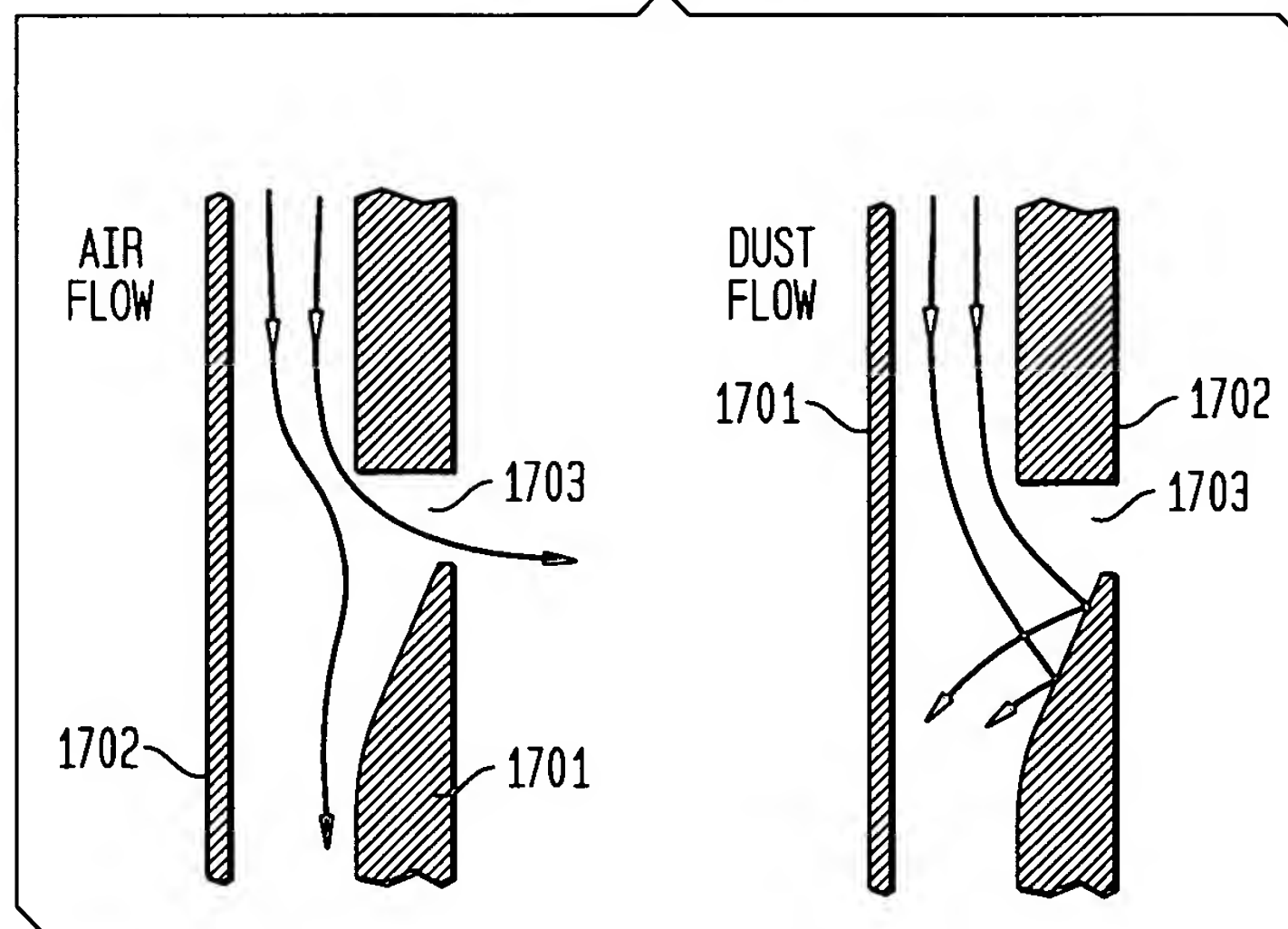


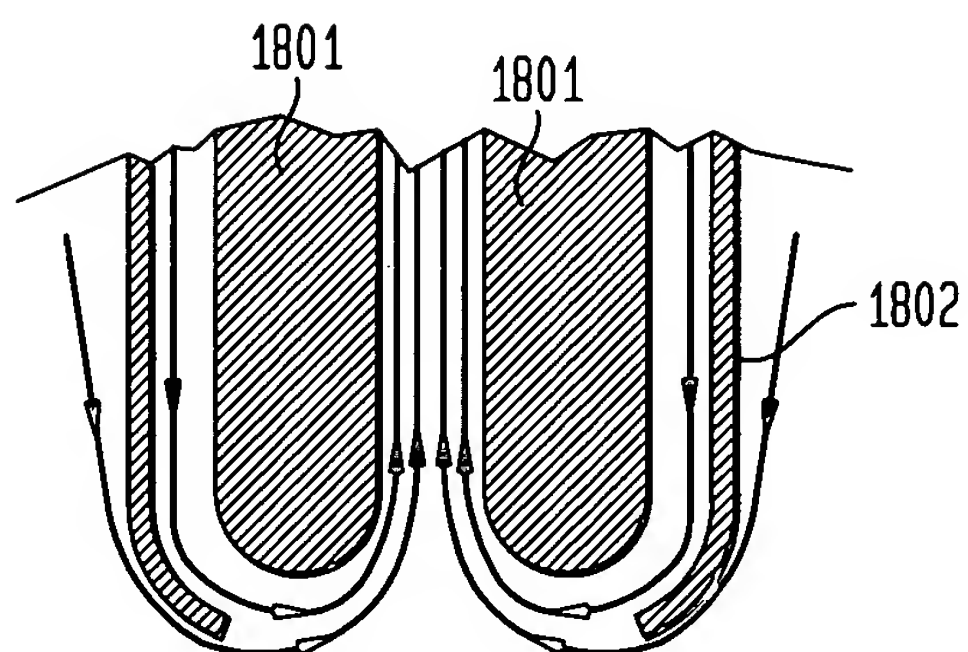
FIG. 17B



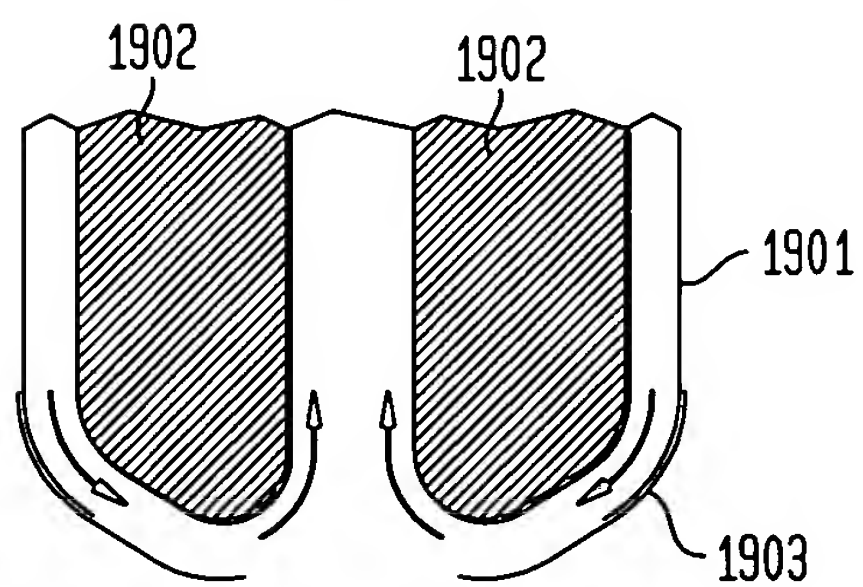


11/15

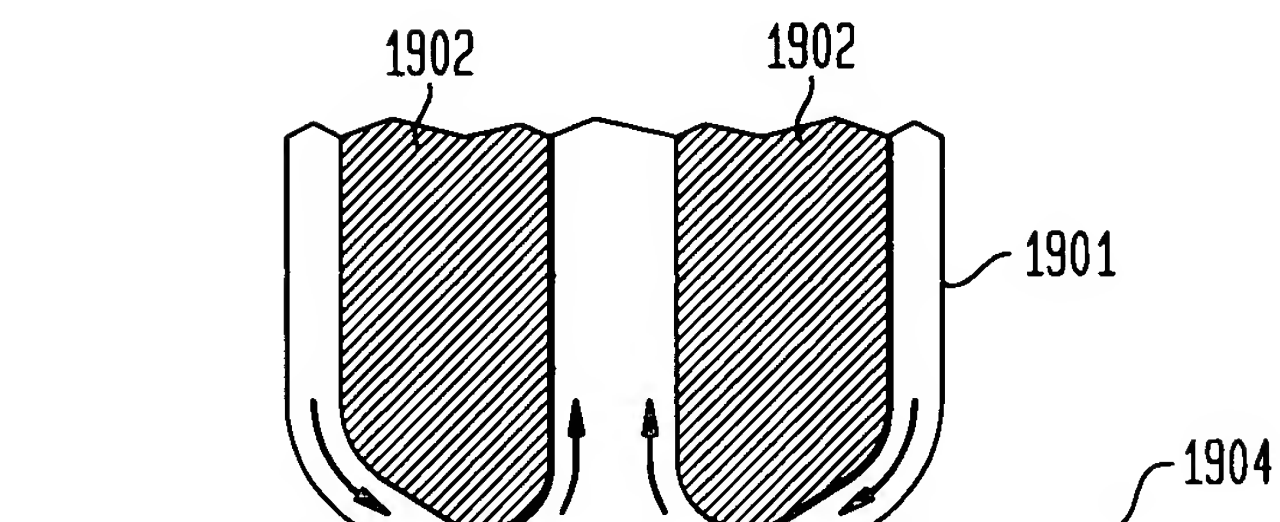
**FIG. 18**



**FIG. 19A**



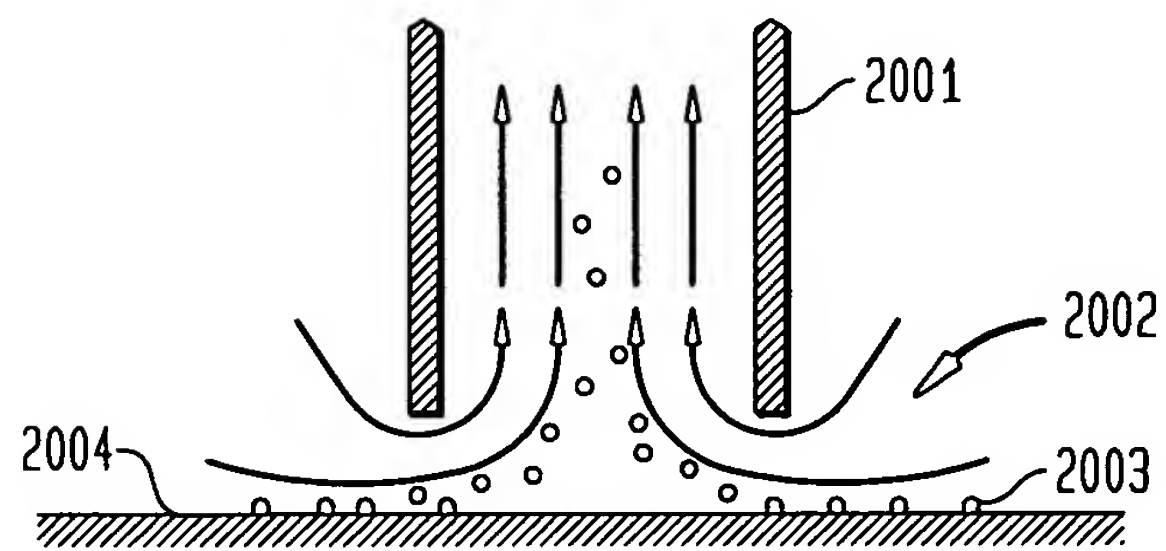
**FIG. 19B**





12/15

**FIG. 20A**  
(PRIOR ART)



**FIG. 20B**  
(PRIOR ART)

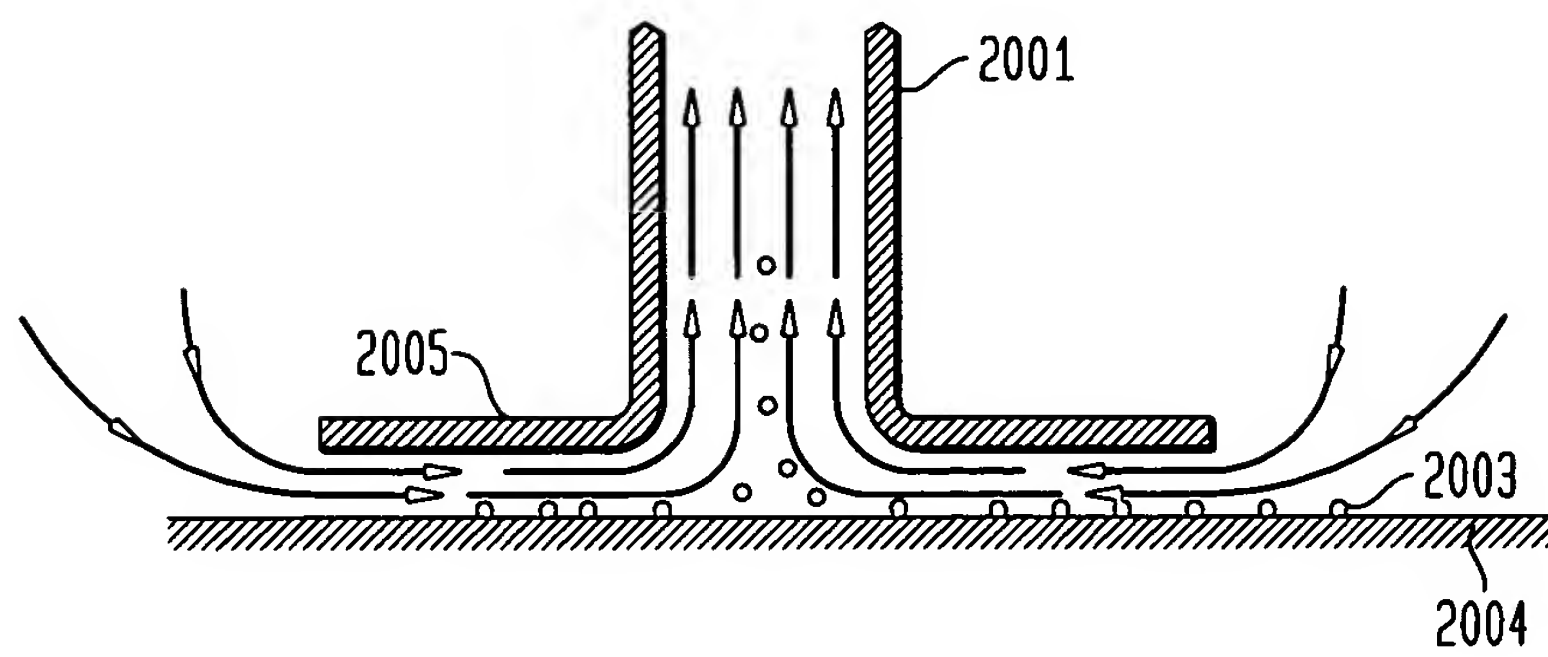




FIG. 21A

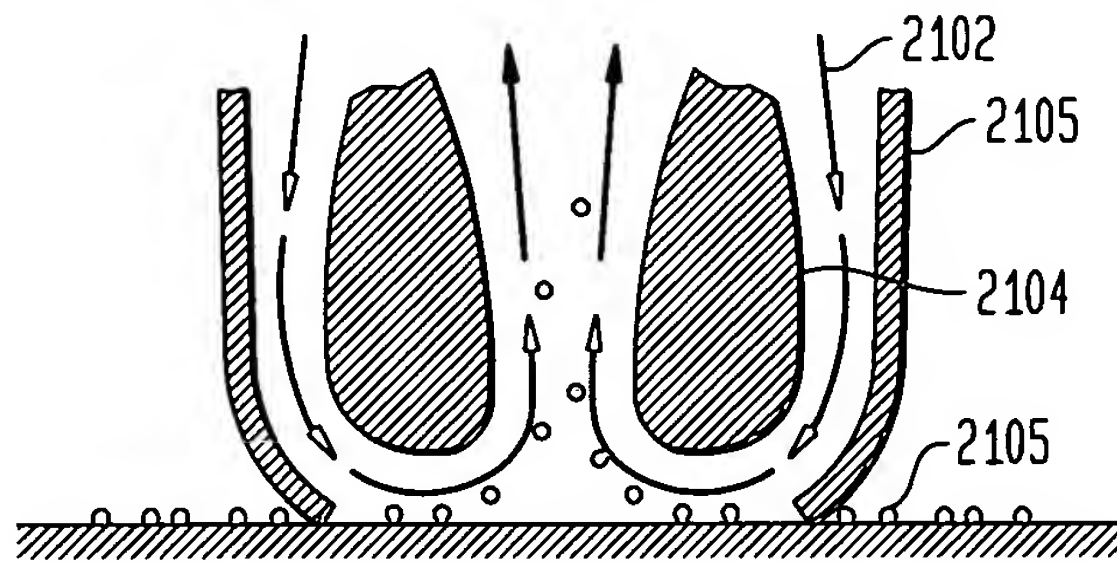
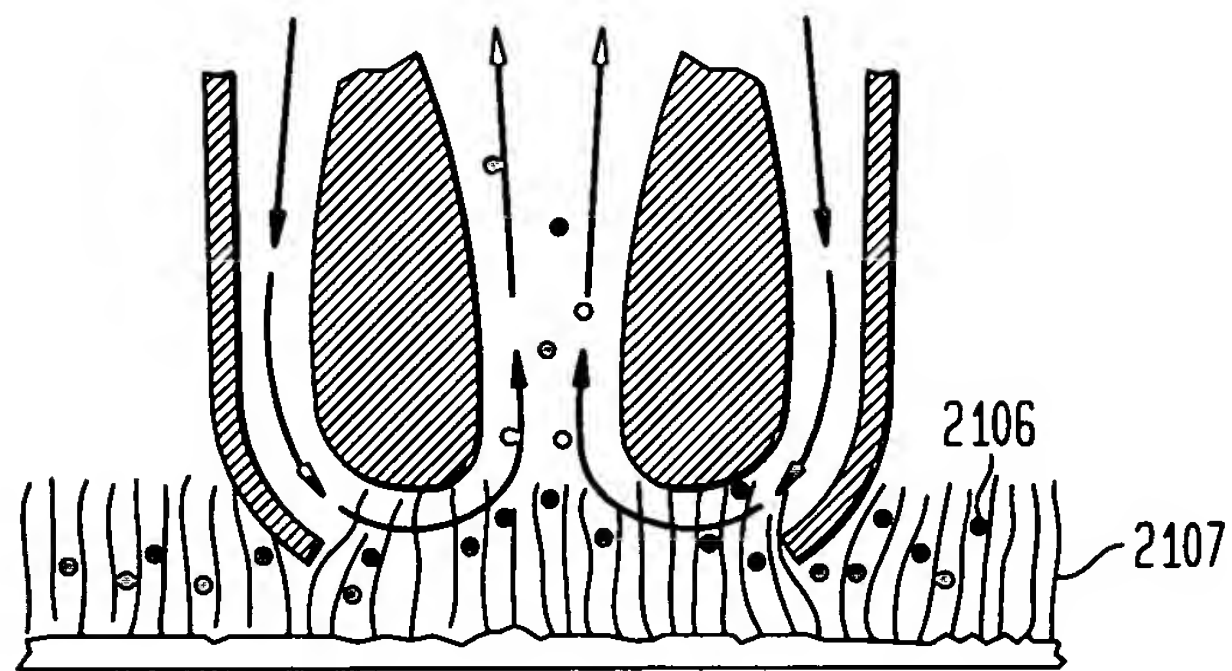
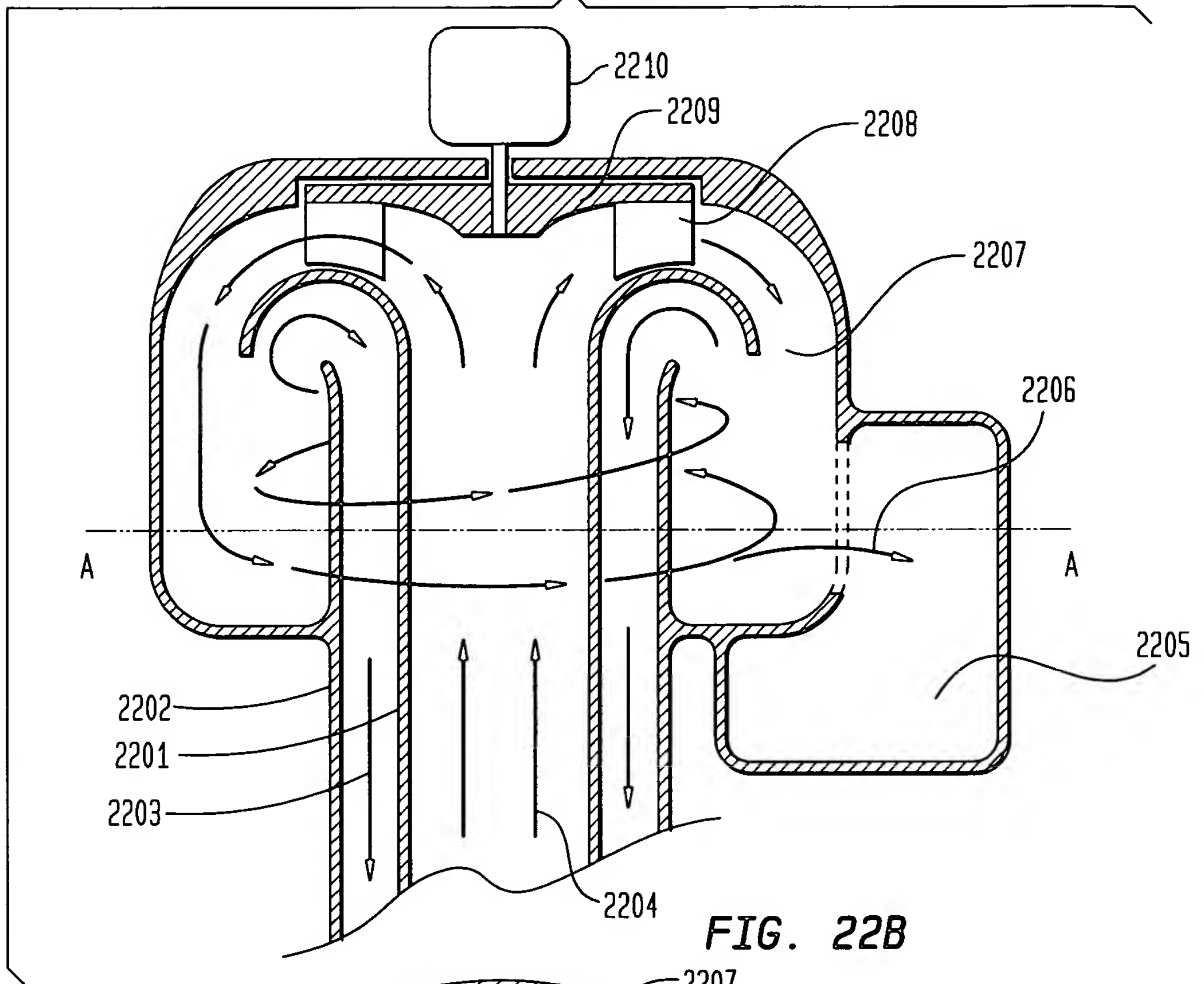


FIG. 21B



14/15  
**FIG. 22A**



**FIG. 22B**

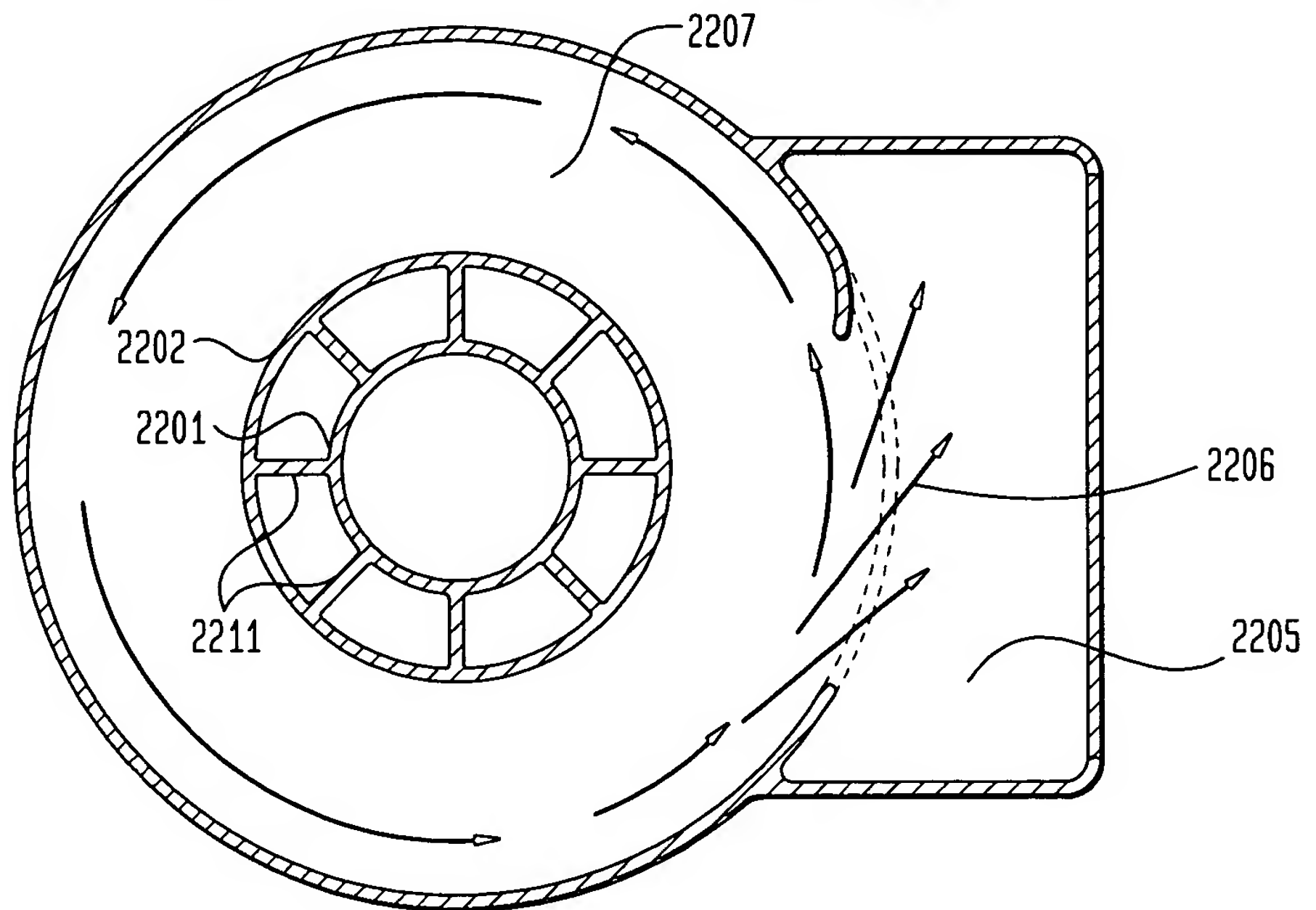


FIG. 23A

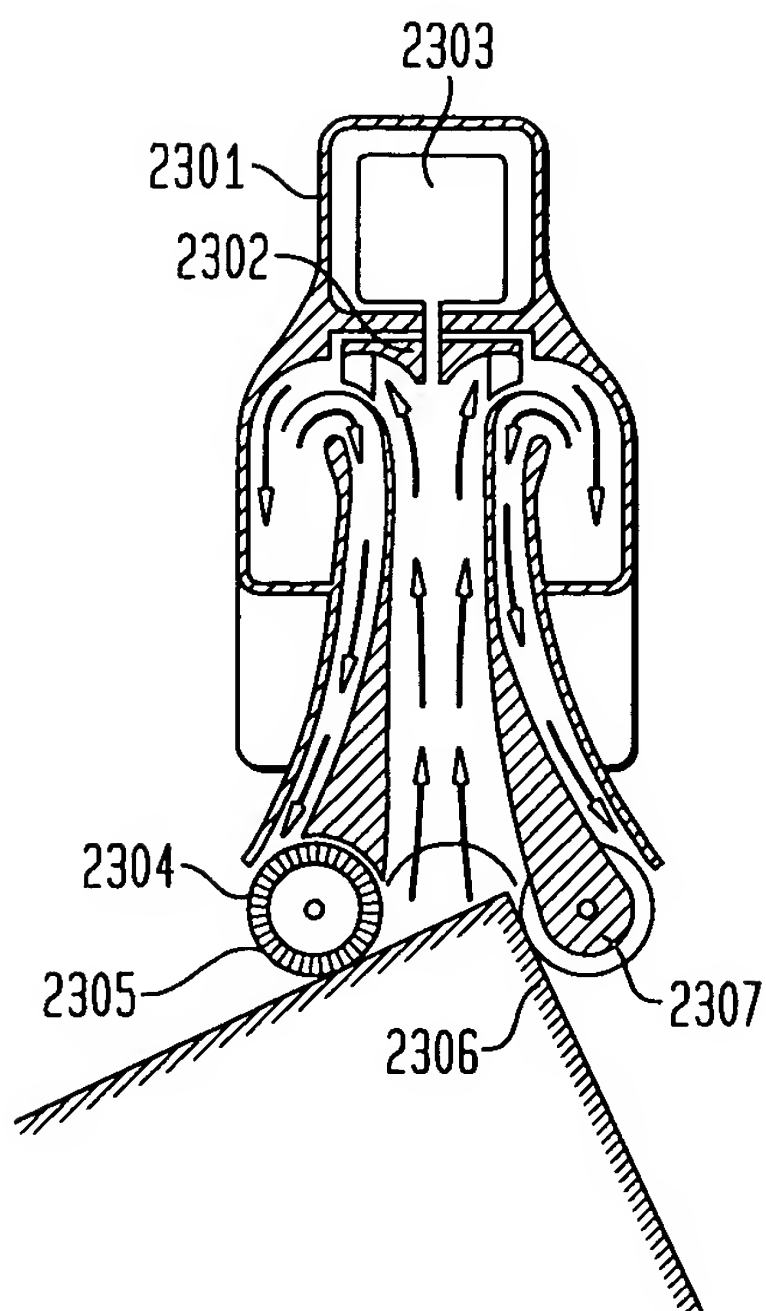


FIG. 23B

